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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/988,896	11/19/2001	Andy P. Annadurai	021067-000200US	9182

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EXAMINER	
JONES, PRENELL P	
ART UNIT	**PAPER NUMBER**
2667	

DATE MAILED: 08/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/988,896	ANNADURAI ET AL.	
	Examiner	Art Unit	
	Prenell P. Jones	2667	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *11/19/01*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-19* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) *7-11 and 14-19* is/are allowed.

6)☒ Claim(s) *1-6* is/are rejected.

7)☐ Claim(s) *13* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

2. Claims 1-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

3. Regarding claim 1, Applicant is claiming in lines 8, 12-13 and 16 "the no skew input", "the late skew input" and "the early skew input" respectively, whereby the stated definition/description in parenthesis () is not recognized as being a positive limitation of the claimed invention. Claims 2-6 depend on claim 1 therefore claims 2-6 are rejected for the same reason that claim 1 is rejected.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claim 12 is rejected under 35 U.S.C. 102(b) as being anticipated by Forsmo.

Regarding claim 12, Forsmo discloses a data arriving on a data bus that is associated with a de-skewing circuitry that consist of multiplexing logic having a single output port, a data select port, first, second and third data input ports (Fig. 5A, de-skewing circuit that has plurality of registers/first, second and third registers daisy chained communicating via a data bus (106), col. 7, line 28 thru col. 8, line 17), first register, having a data input port coupling to data-bus and a output port for coupling to a first data input port of the multiplexing (mux) logic (Fig. 5A, first register (206a) is indirectly coupled to bus (106) and the first data input port (p0) of the mux via 212a), second register, having a data input port coupling to the data output port of the first register, having a data output port for coupling to the second data input port of the multiplexing logic (Fig. 5A, second register (206b) input coupled to output port of 206a and indirectly coupled to the second input port of mux (p1) via 212b), third register, having a data input port coupling to the data output port of the second register, and a data output port for coupling to the third data input port of the multiplexing logic (Fig. 5A, third register (206c) input is coupled to output port of second register (206b) and indirectly coupled to third input port (p2) of mux via 212c) the multiplex logic receiving first, second, third data input signals from the data output ports of first, second and third registers, and selectively forwarding any one of the first, second and third data input signals to its single output port (Fig. 5, the outputs of first, second, third registers (206a, 206b, 206c) are indirectly coupled to the data selector of mux via controller 230.

Allowable Subject Matter

1. Claims 7-11 and 14-19 are allowed over prior art.

2. Claim 13 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

3. The following is a statement of reasons for the indication of allowable subject matter: Although the combined prior art of Collins who teaches an architecture that includes multiple latches coupled to a mux and encryption means that performs communicating data between transmitter and receiver, de-skewing and skewing communication channels which are coupled to delay stacks, Shaffer et al who teaches a de-skewing method as associated in a SONET environment wherein the architecture includes a framer, Pickering et al who teaches de-skewing circuits that utilize phase detectors, and the skewing and delays are monitored, Hendrickson et al who teaches a de-skewing method and system associated with parallel data lines wherein the architecture includes multiple channels, controller connected to selectors wherein the processor could be a framer associated in a SONET environment and Clements et al who teaches consist of data arriving on a data bus that is associated with a de-skewing circuitry that consist plurality of latches connected via a data bus whereby delay and clock data is monitored, compared, adjusted, selected and transmitted, they fail to teach or suggest multiplexer selecting a first data input signal if there exist a late skew at the

data bus, or selecting the second data input signal if there is no data skew, or selecting a third data input if an early skew exist.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prenell P. Jones whose telephone number is 571-272-3180. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Prenell P. Jones

August 5, 2005

CHI PHAM
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

8/5/05